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CLAIMS

1. A method for electrochemical protection of concrete in harsh environments, for instance in contact with, or in close proximity to sea water, characterised in that a coating comprising graphite dispersed in a curable mineralic binder, in the form of water glass or another water soluble inorganic silicate, a dispersion agent optionally together with conventional additives, is applied to the concrete, either by spraying or brushing, and an impregnation is optionally carried through, either concurrent with the application of the above agent or thereafter, and, if necessary a post treatment is carried through.
2. A method according to claim 1, characterised in that the coating composition comprises additives which function as curing agents.
3. A method according to the preceding claims, characterised in that the impregnation is performed with a silane/siloxane solution of low viscosity.
4. A method according to the preceding claims, characterised in that the post treatment comprises application of an ionic reservoir over the applied coating.
5. Use of a coating composition comprising graphite dispersed in a curable mineralic binder, in the form of water glass or another water soluble inorganic silicate, a dispersing agent, optionally together with conventional additives for cathodic protection, as well as optionally an outer ionic reservoir, for the protection of concrete against corrosion.
6. Use according to claim 5, wherein the composition, as additives, contains additives which function as curing agents.

7. Use according to claims 5-6, wherein the impregnation is carried out with a silane/siloxane solution of low viscosity.

8. Use according to claims 5-7, wherein the composition is applied for cathodic protection of reinforcement in concrete in connection with quay constructions, bridges, bridge piers and similar constructions.

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CLAIMS

1. Use of a coating composition comprising graphite dispersed in a curable mineralic binder, in the form of water glass or another water soluble inorganic silicate, a dispersion agent, an impregnation agent, optionally together with conventional additives for cathodic protection, as well as optionally an outer ionic reservoir, for the protection of concrete against corrosion.
2. Use according to claim 1, wherein the composition, as additives contains additives that function as curing agents.
3. Use according to claims 1-2, wherein the impregnation is carried out with a silane/siloxane solution of low viscosity.
4. Use according to claims 1-3, wherein the composition is applied for cathodic protection of reinforcement in concrete in connection with quay constructions, bridges, bridge piers and similar constructions.

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